

Figure 1

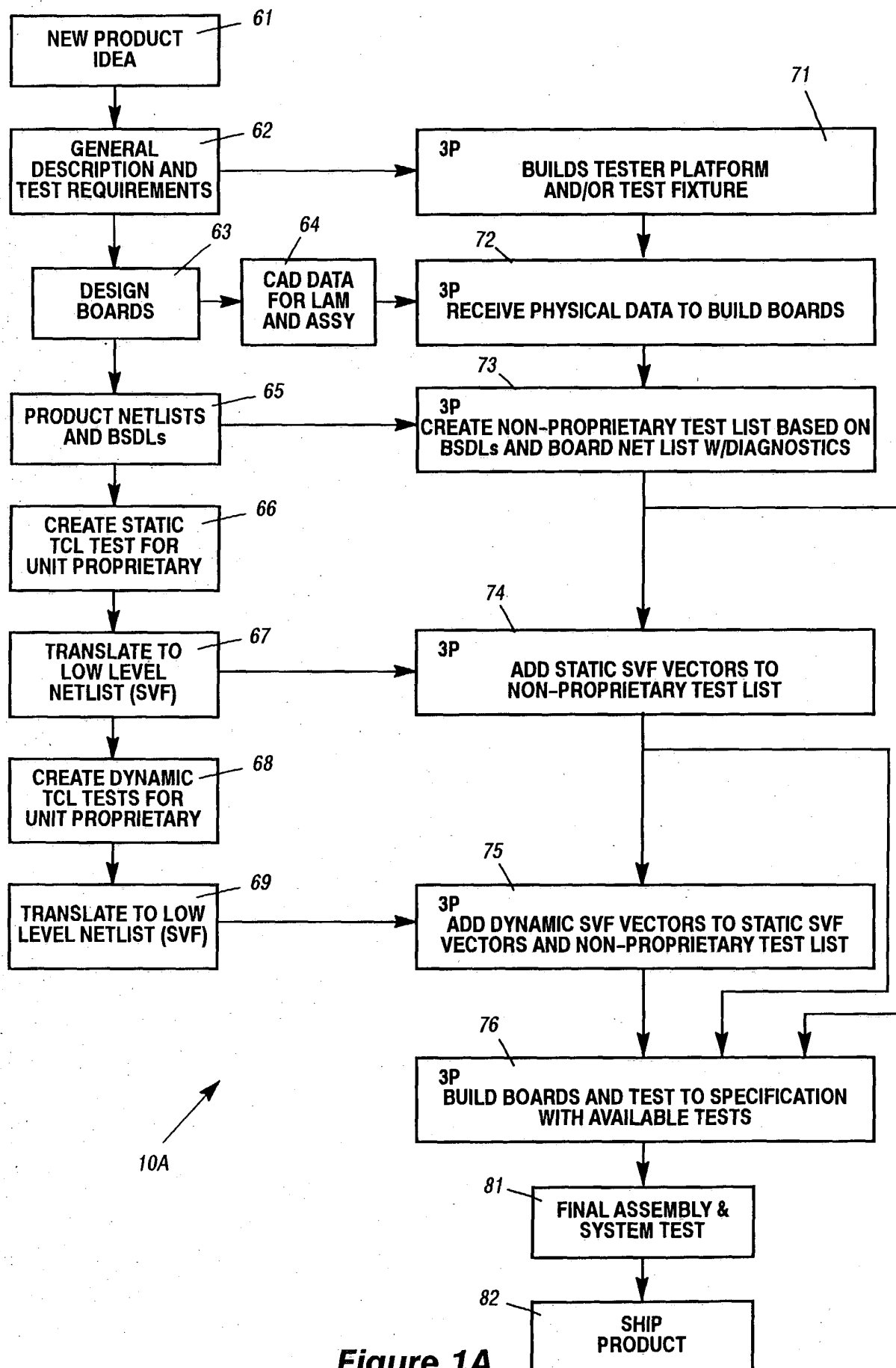


Figure 1A

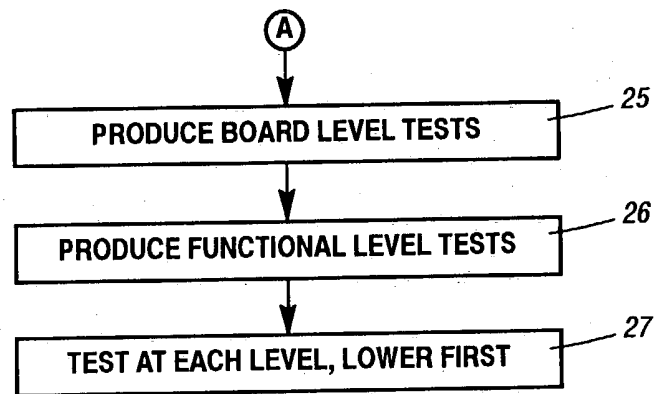


Figure 2

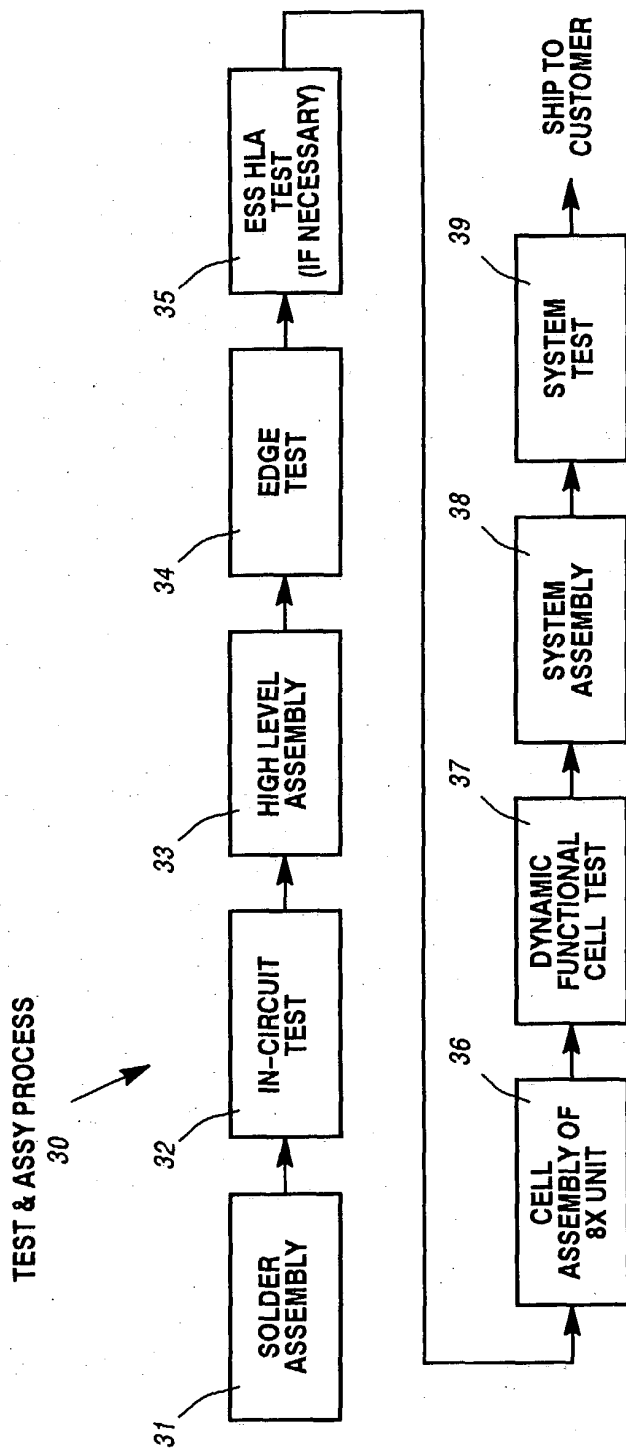


Figure 3

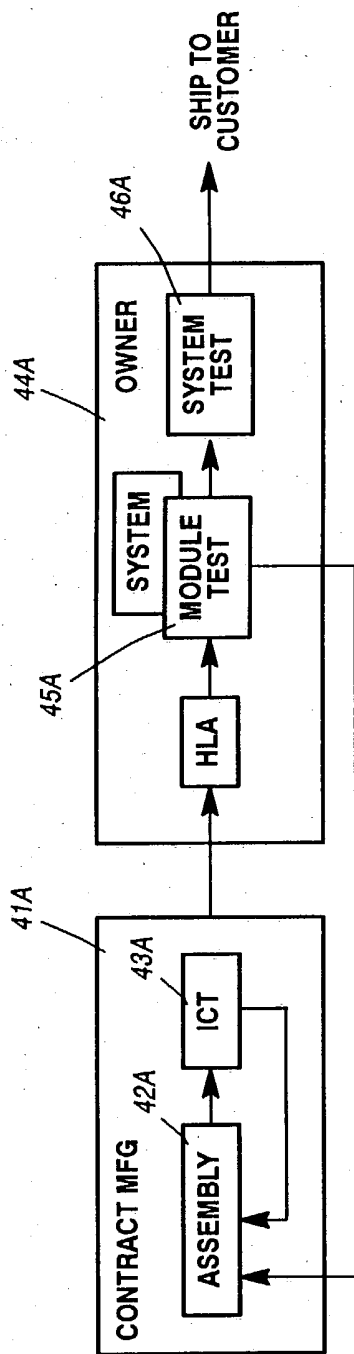
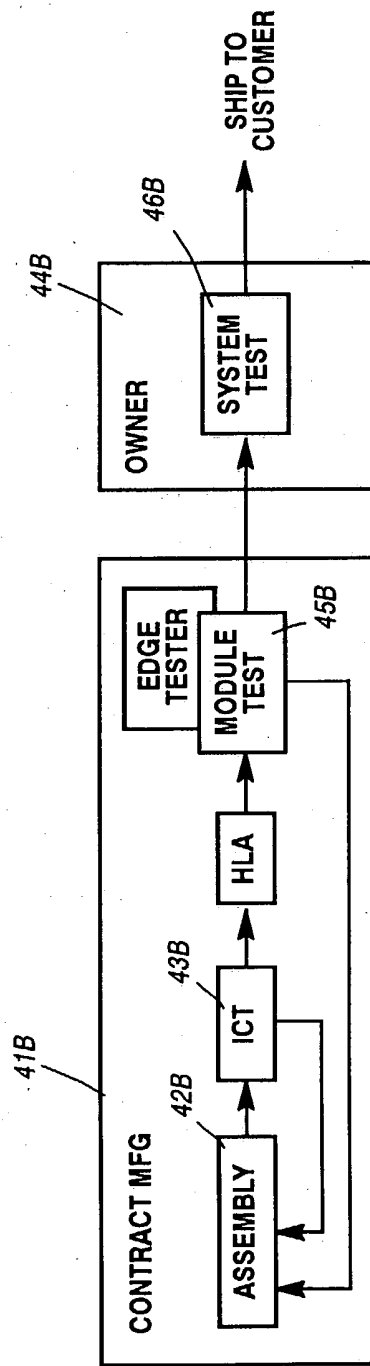


Figure 4A

Prior Art



**FASTER FEEDBACK (DECREASED INVENTORY, QUICKER LEARNING, BETTER YIELD)
IMPROVED DATA COLLECTION**

Figure 4B

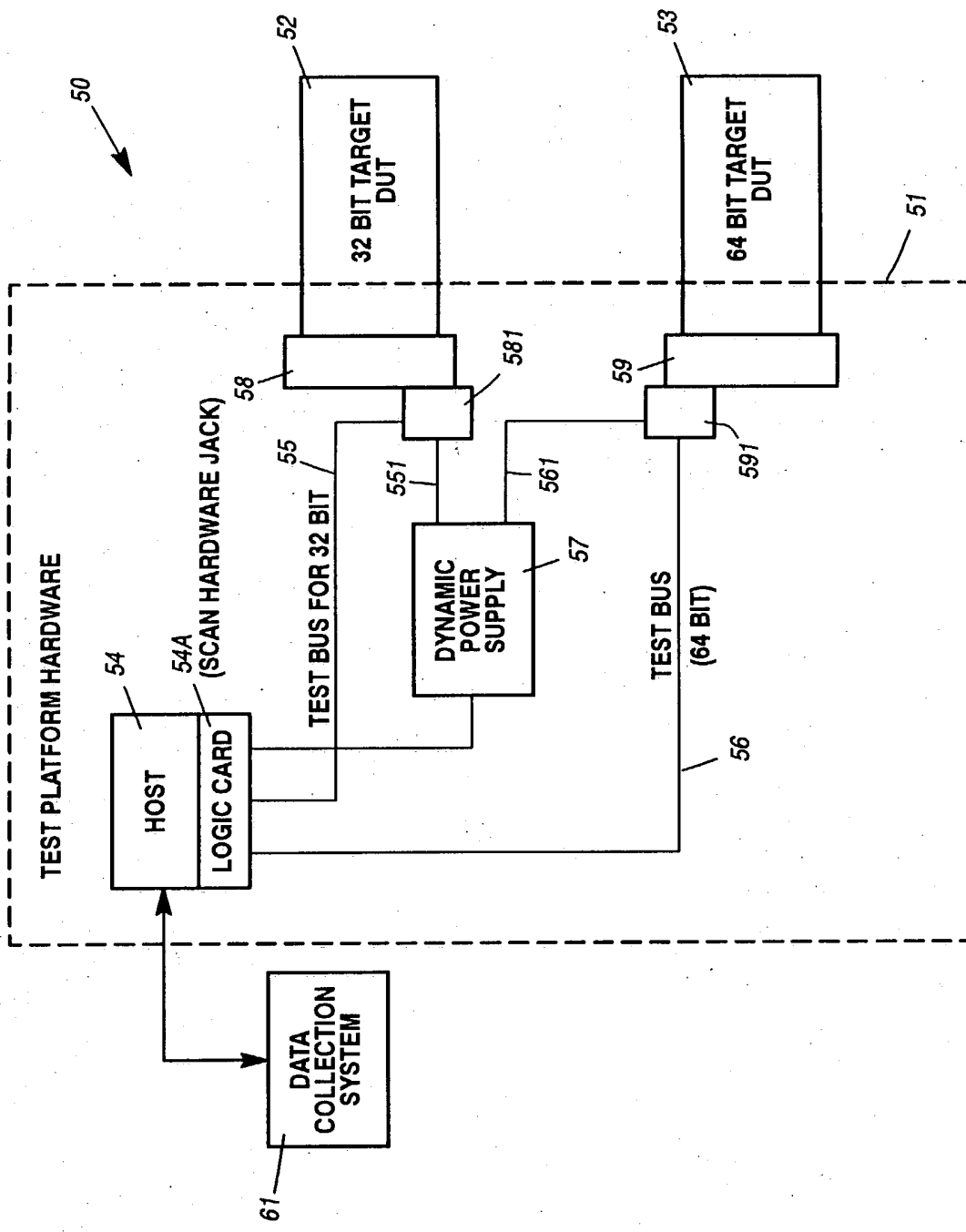


Figure 5A

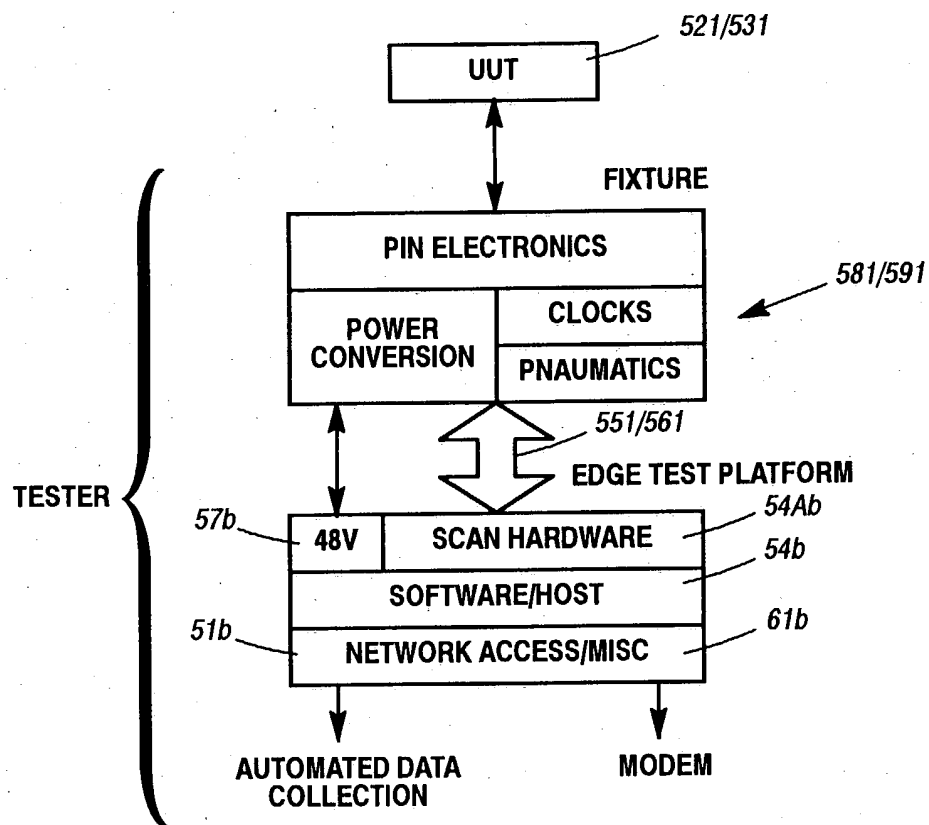


Figure 5B

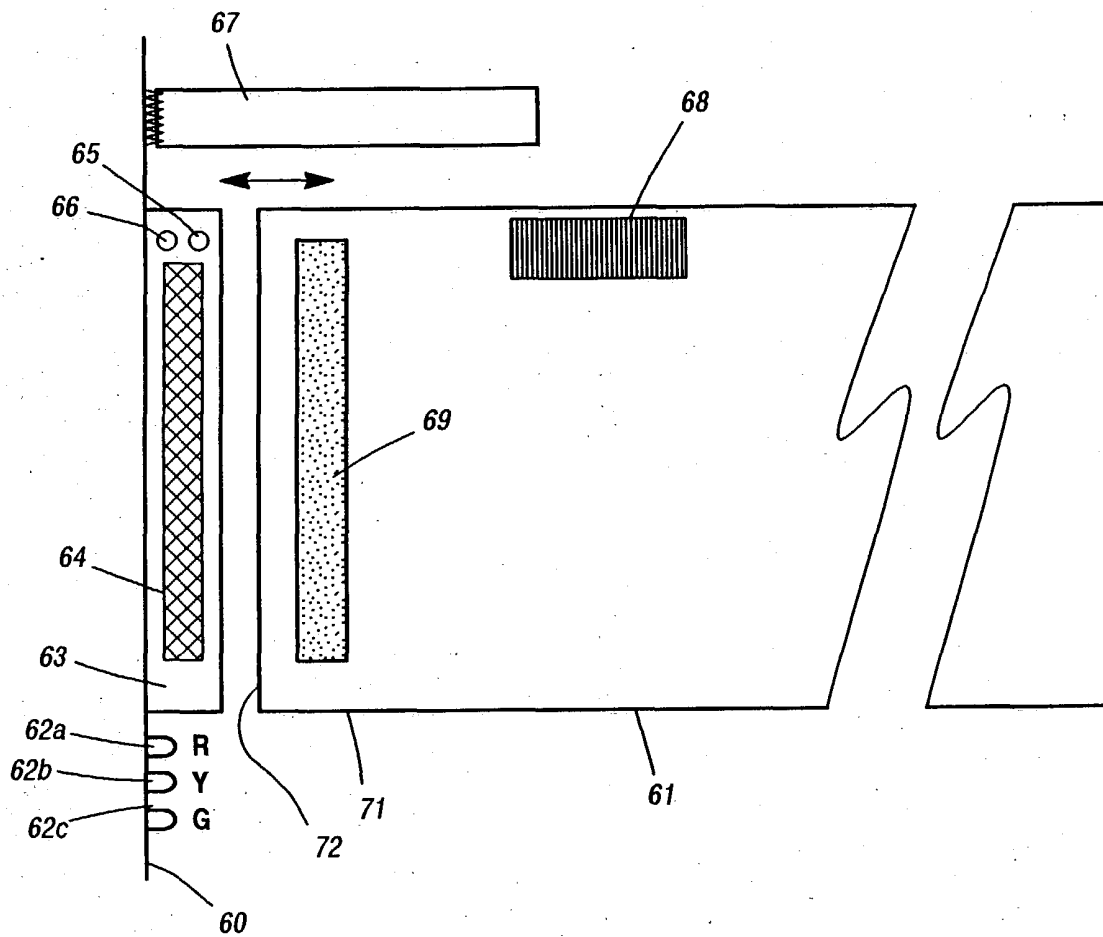


Figure 6

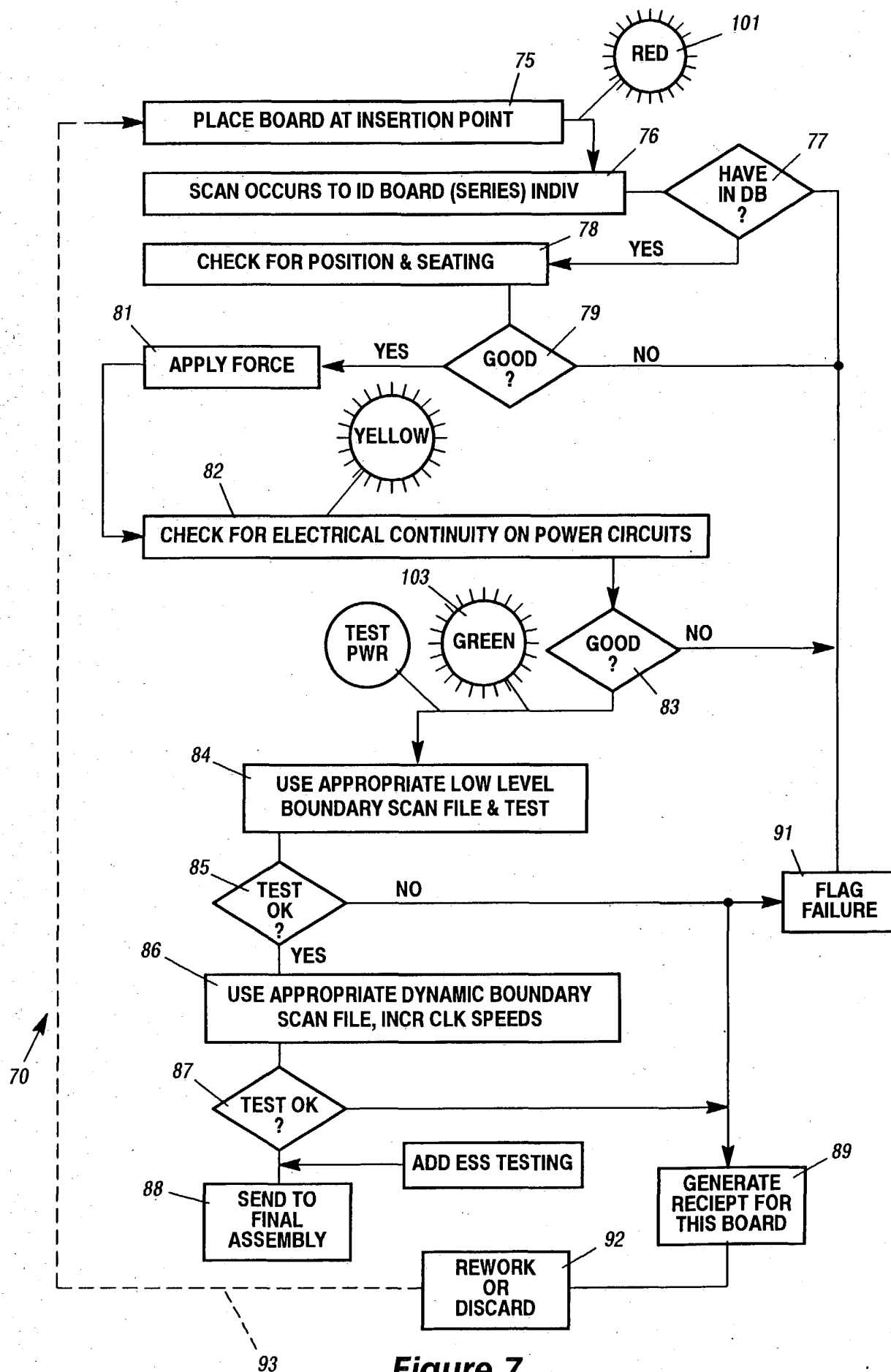
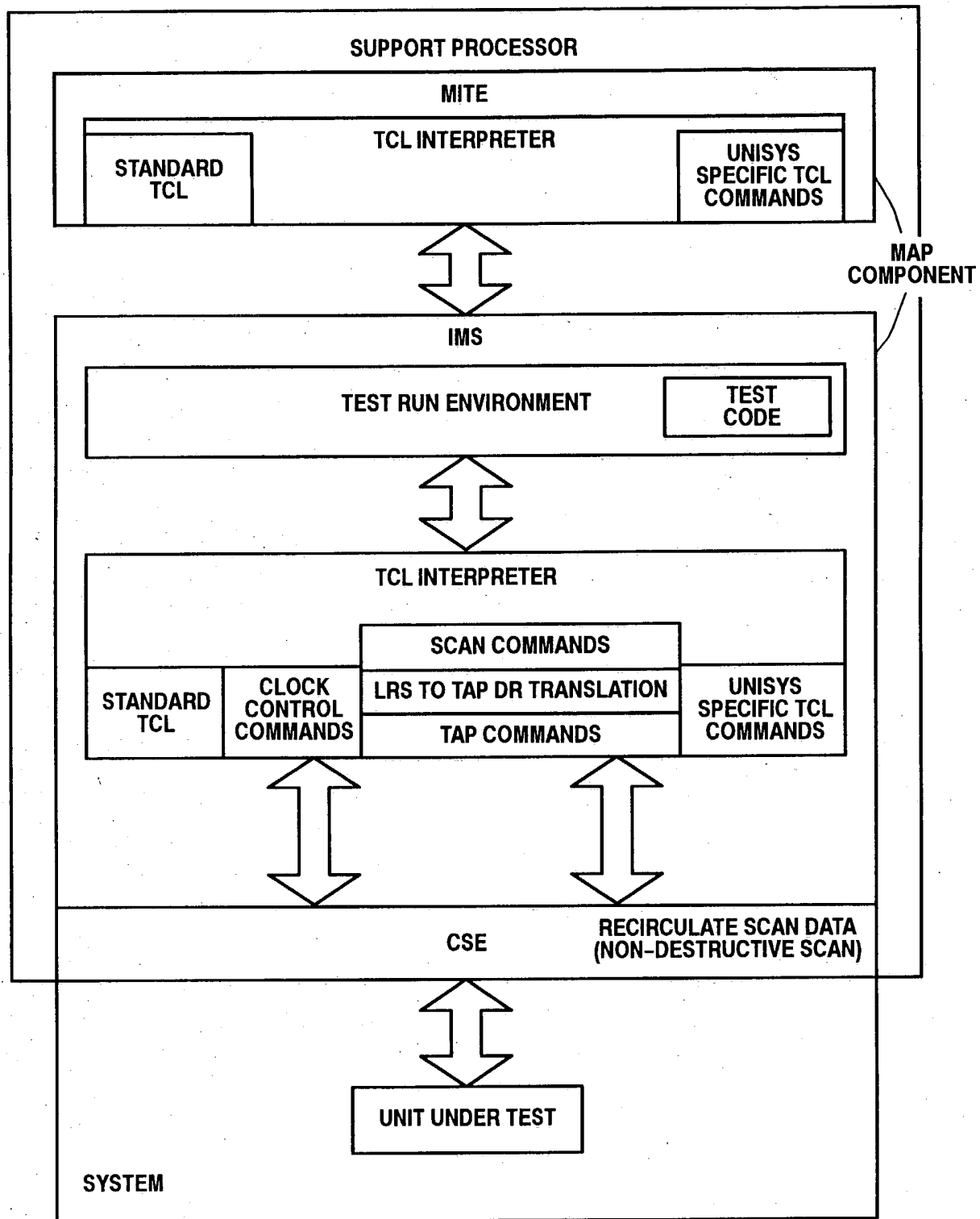
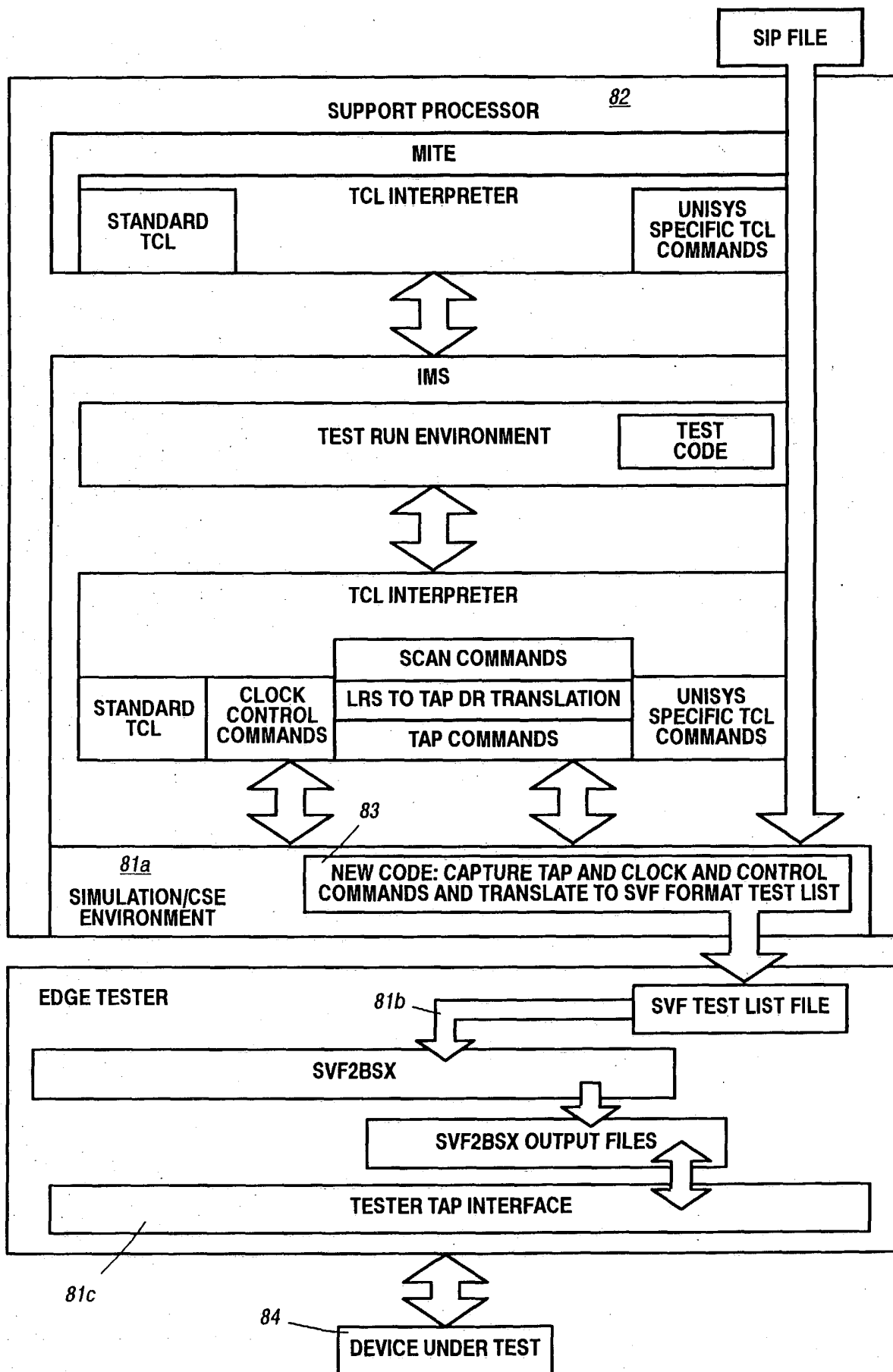


Figure 7



(IN-HOUSE TESTING)

Figure 8A



(THIRD PARTY-ENABLED TESTING)
Figure 8B

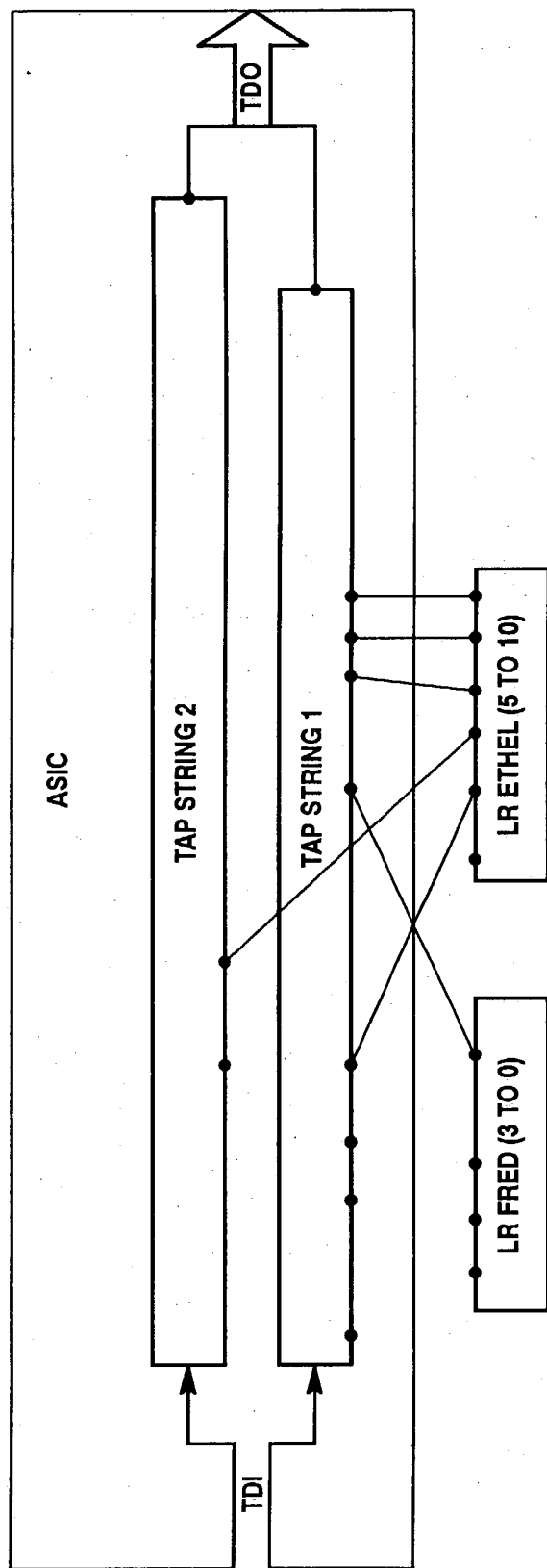
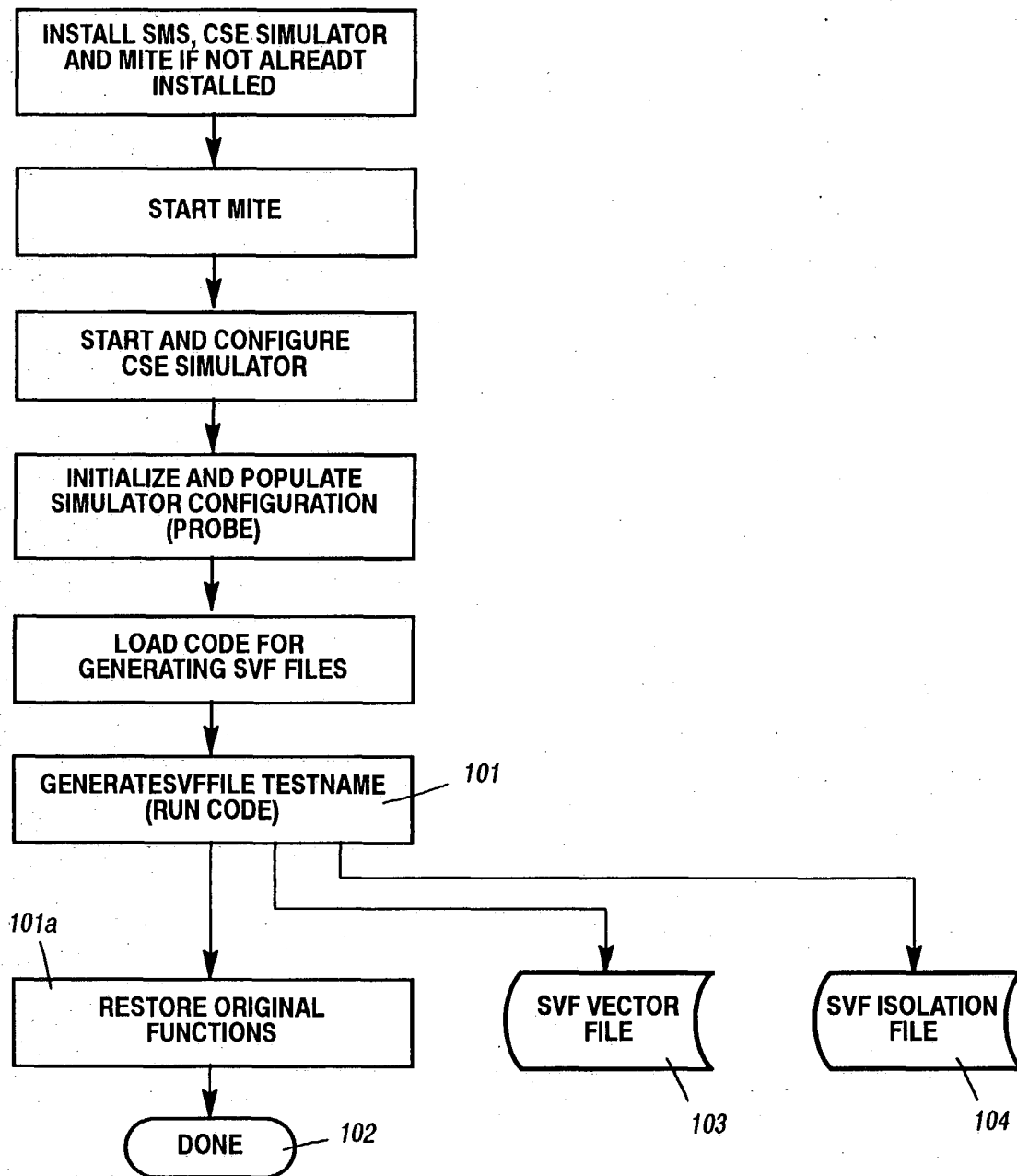
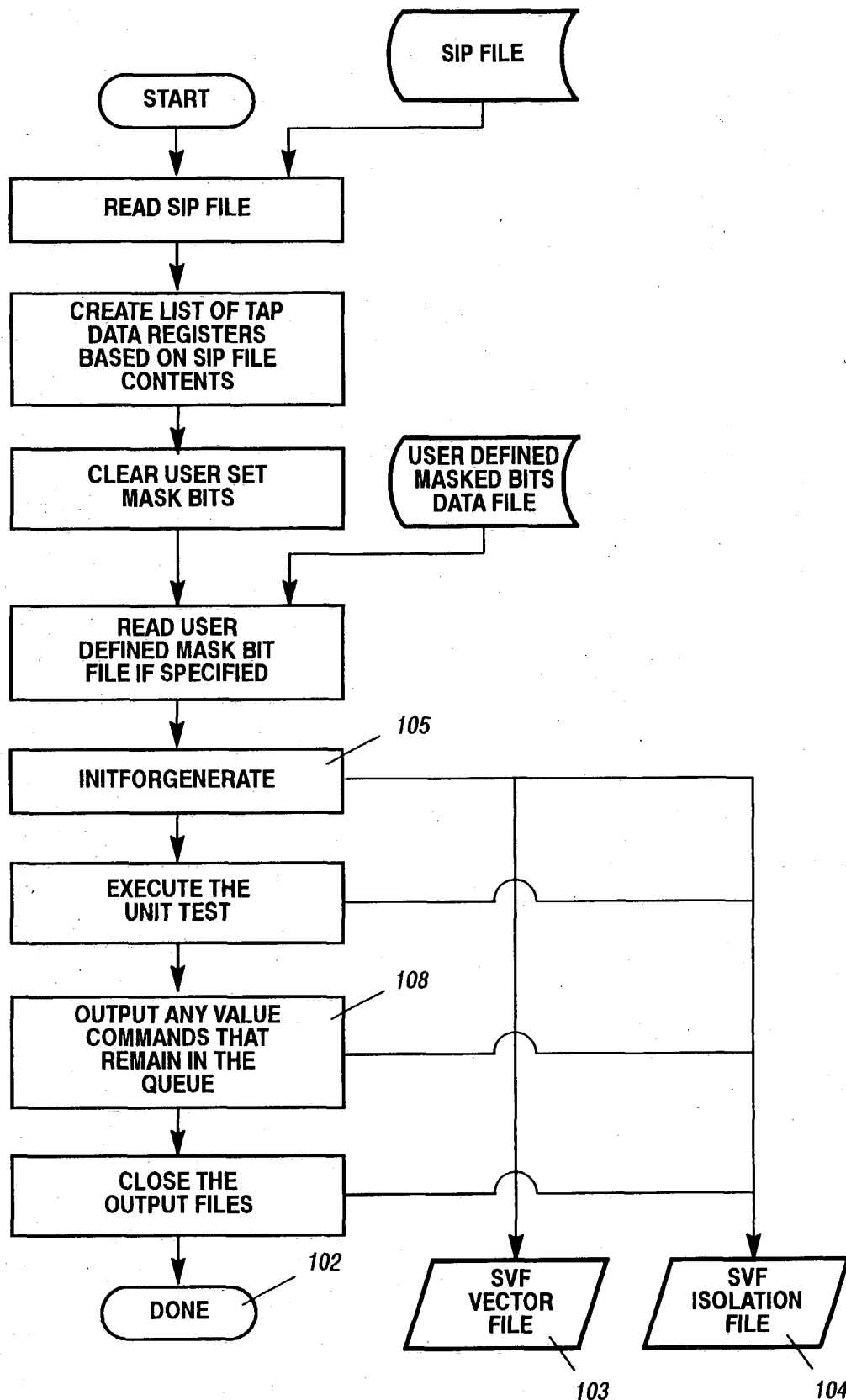


Figure 9



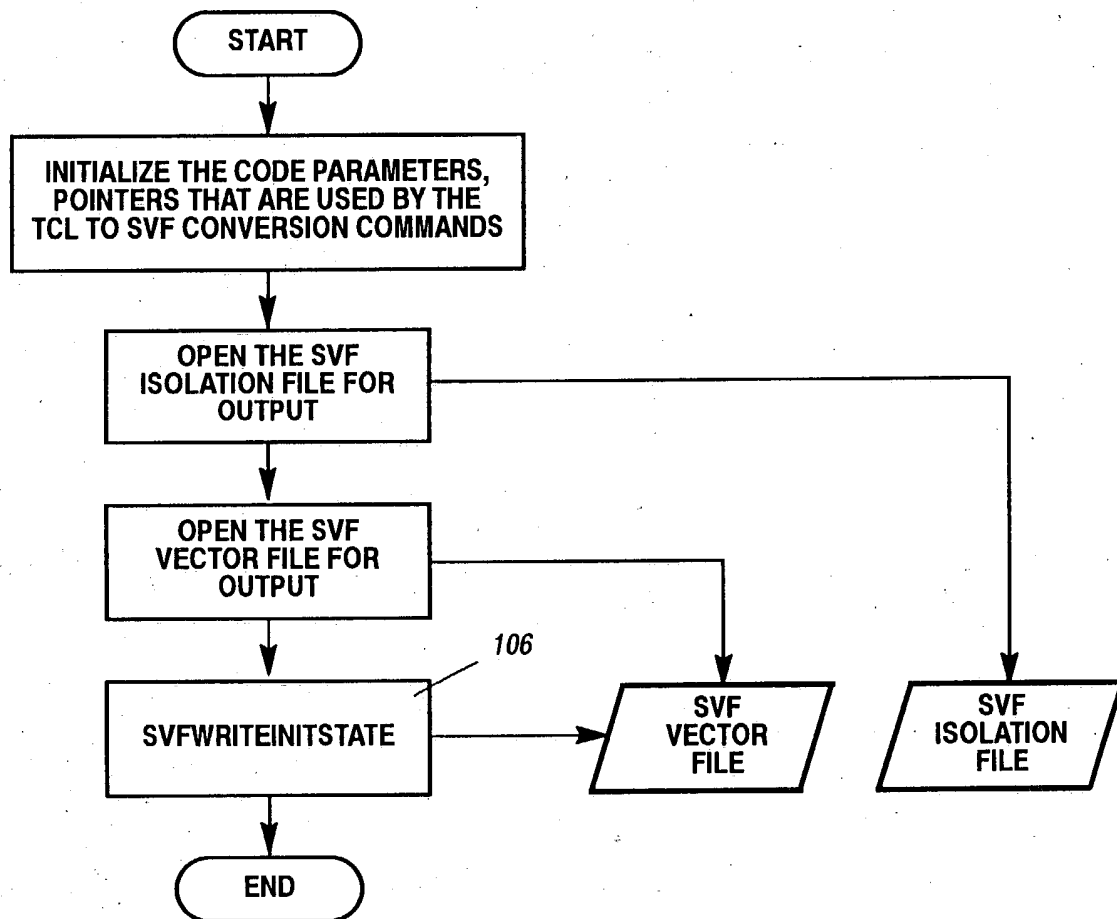
UNIT TEST TO SVF FORMAT CONVERSION PROCESS

Figure 10A



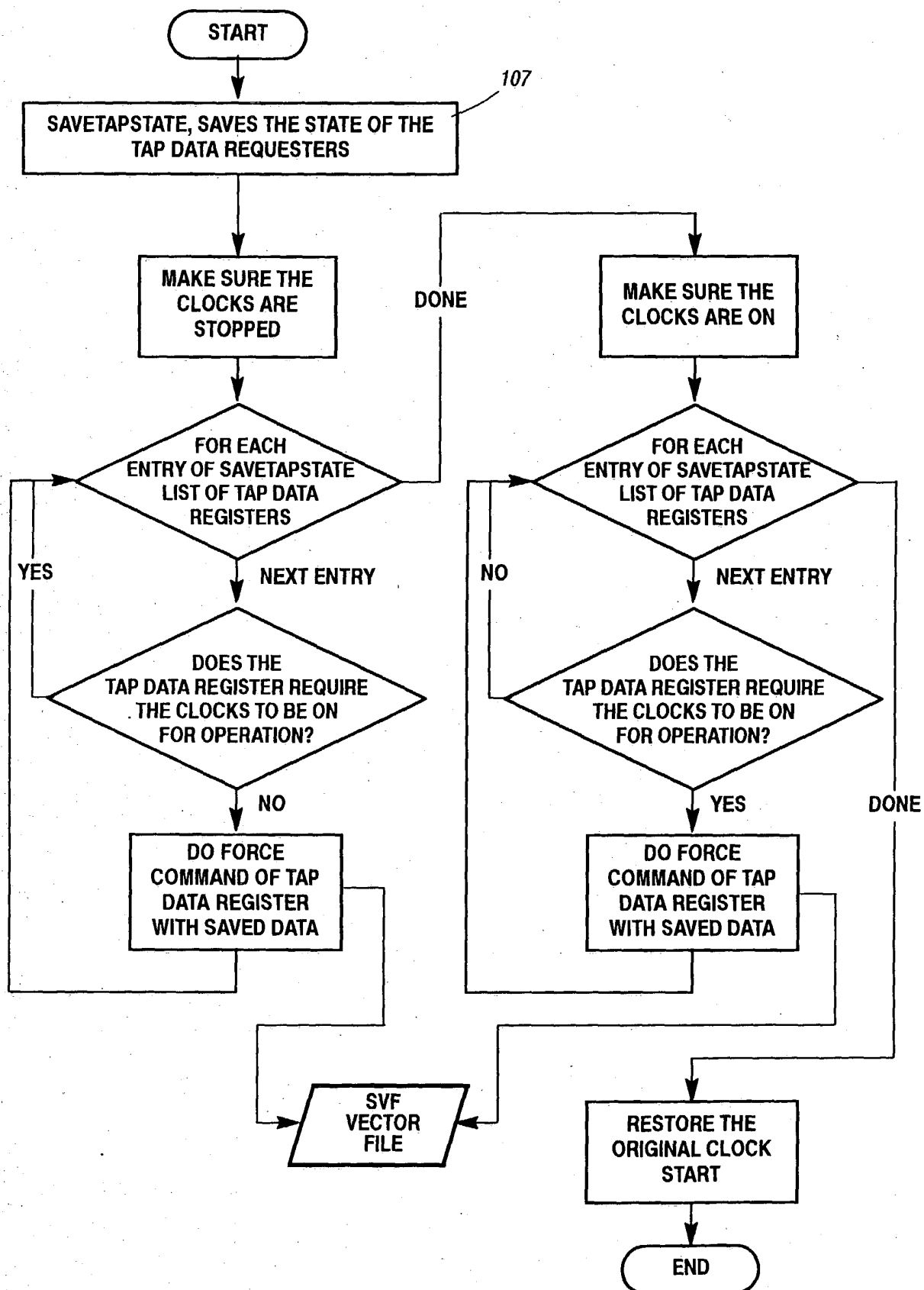
GENERATESVFFILE FLOWCHART

Figure 10B



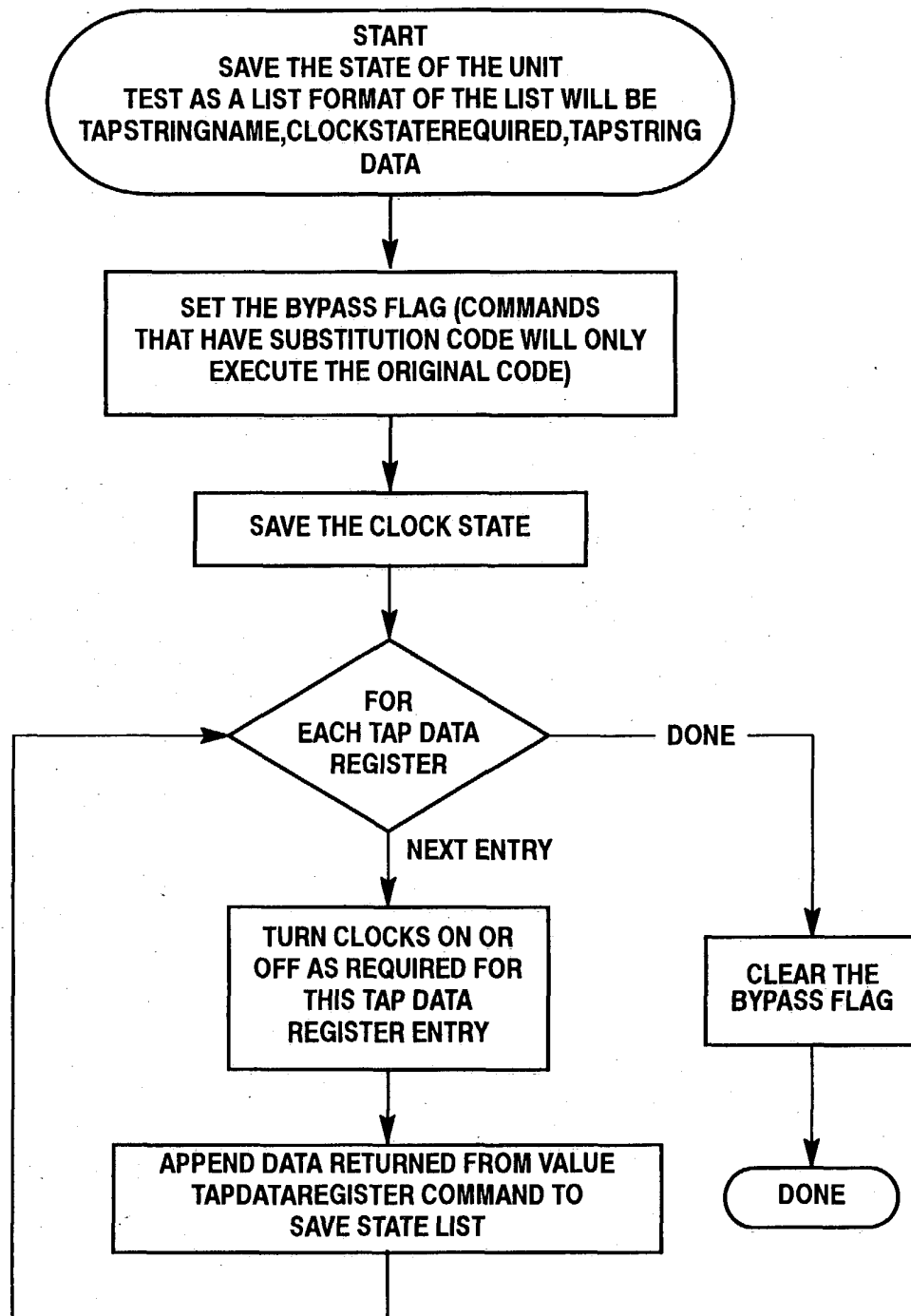
**TCL CODE FOR INITFORGENERATE COMMAND FOR TCL
TO SVF FORMAT CONVERSION**

Figure 10C



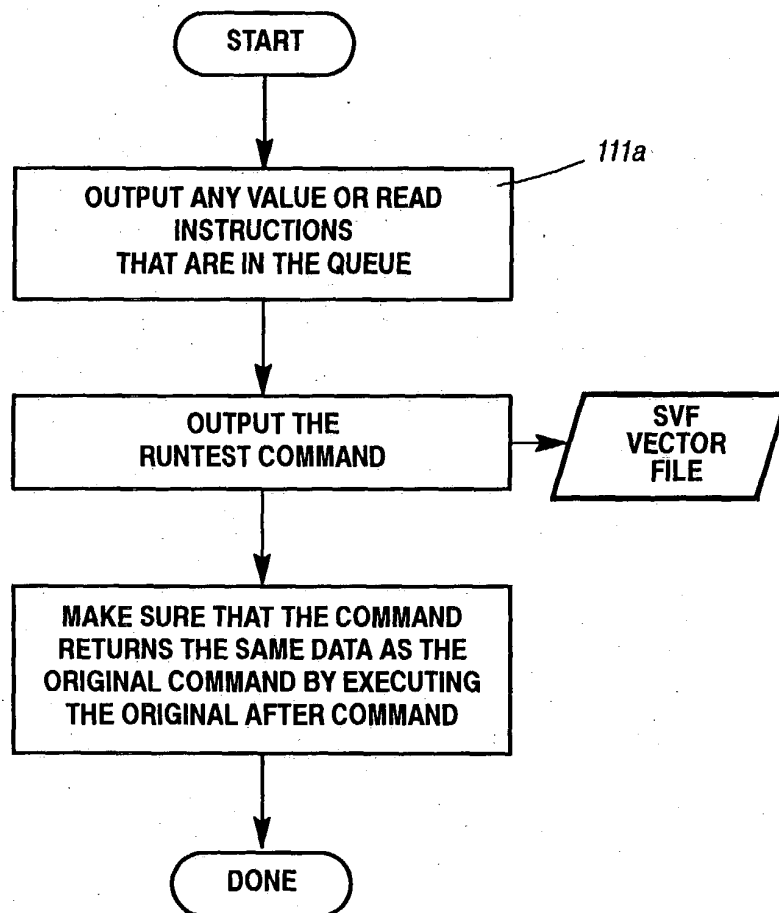
TCL WRITEINITSTATE COMMAND FOR SVF TO TCL CONVERSION

Figure 10D



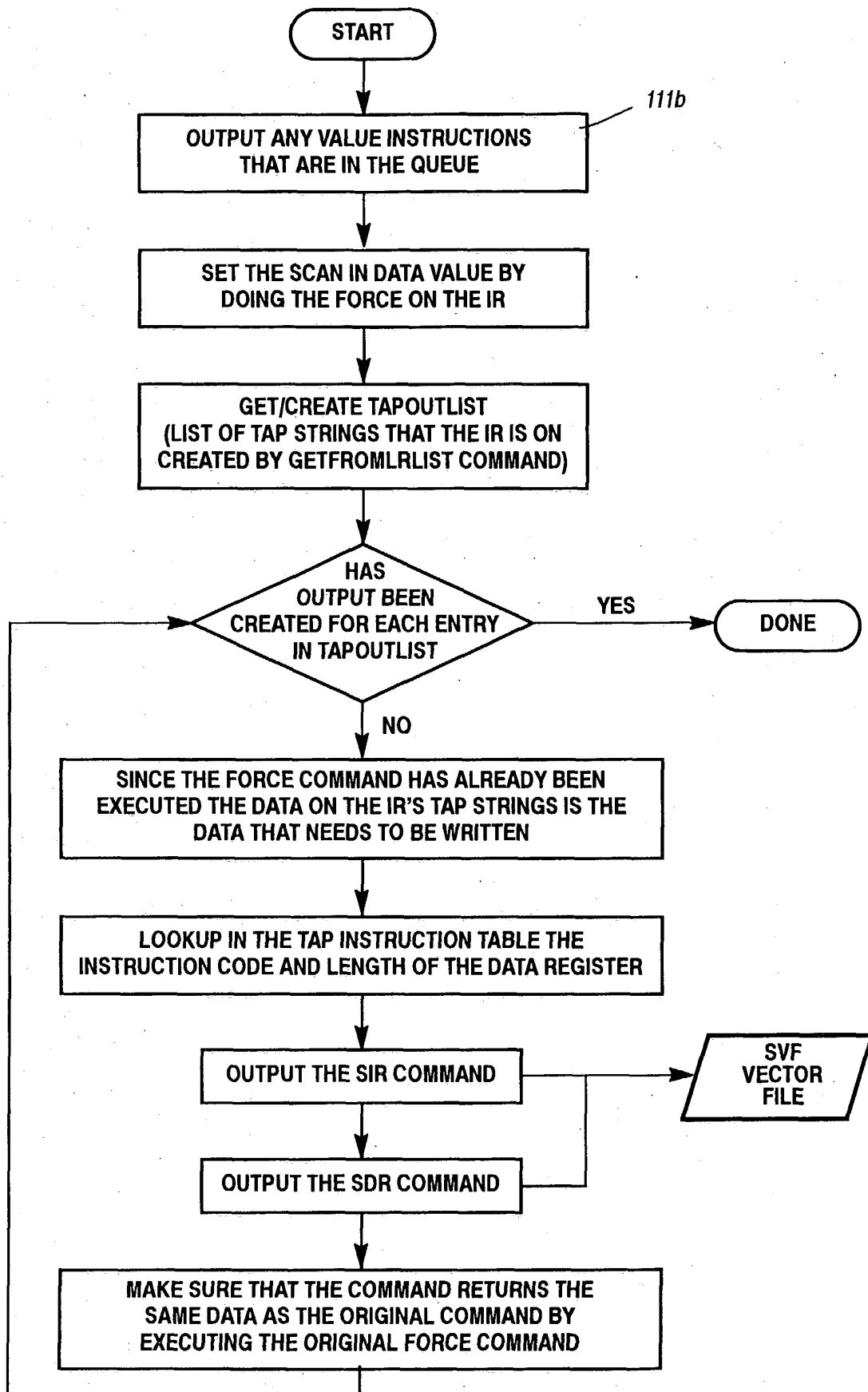
SAVE STATE TEL COMMAND FOR TEL TO SVF CONVERSION

Figure 10E



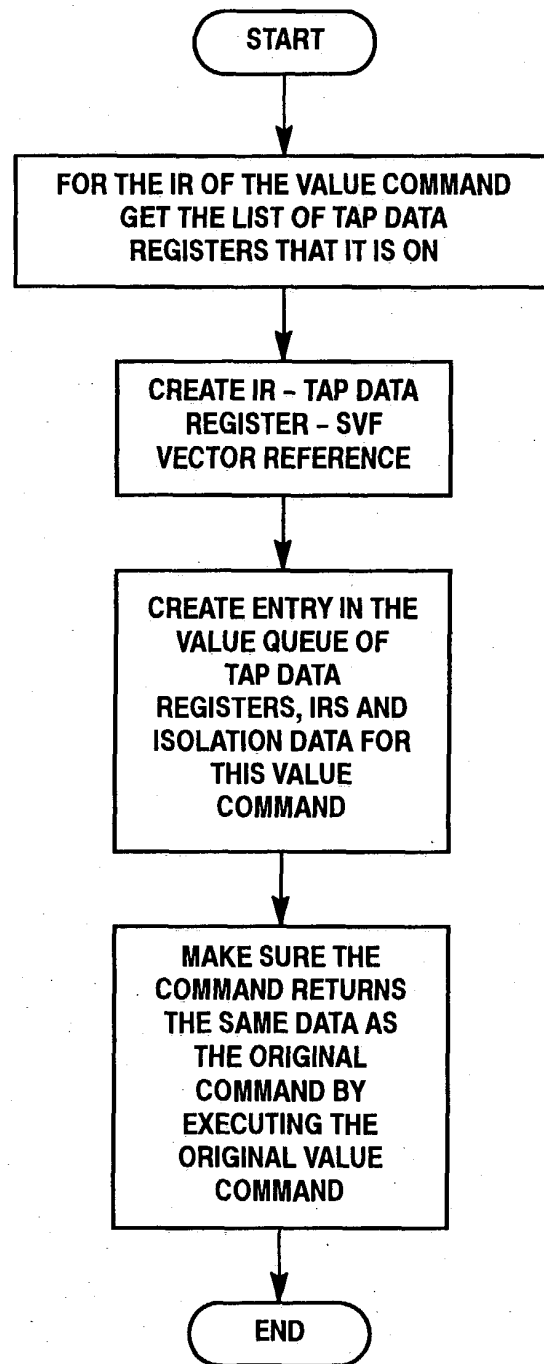
TCL CODE TO CONVERT AFTER COMMAND TO SVF FORMAT

Figure 10F



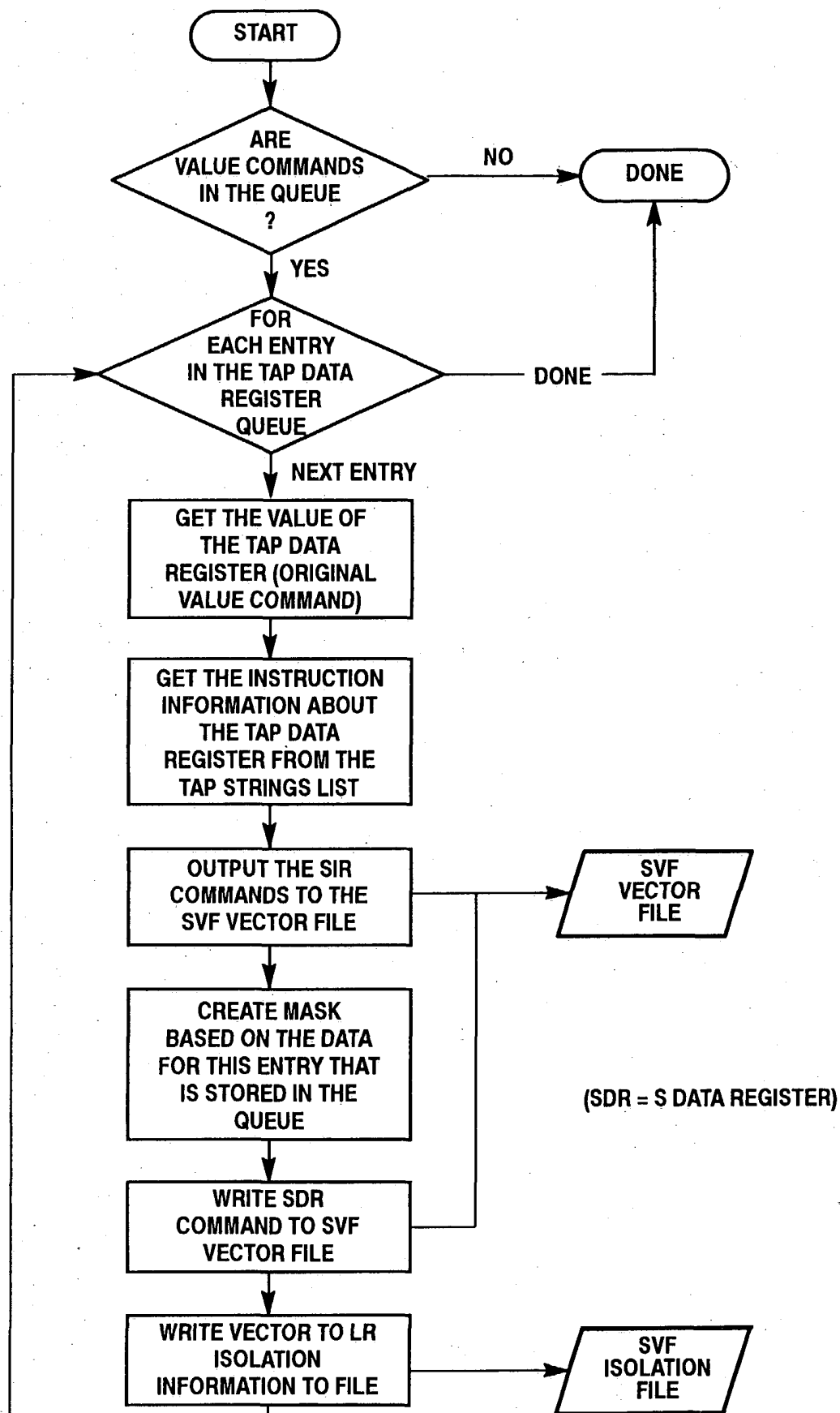
TCL CODE TO CONVERT FORCE COMMAND TO SVF FORMAT

Figure 10G



TCL CODE TO CONVERT VALUE COMMAND TO SVF FORMAT

Figure 10H



**EXPANSION OF OUTPUT VALUE INSTRUCTIONS IN QUEUE
(IIa AND IIb) FROM FIG. 10F AND 10G**

Figure 10I

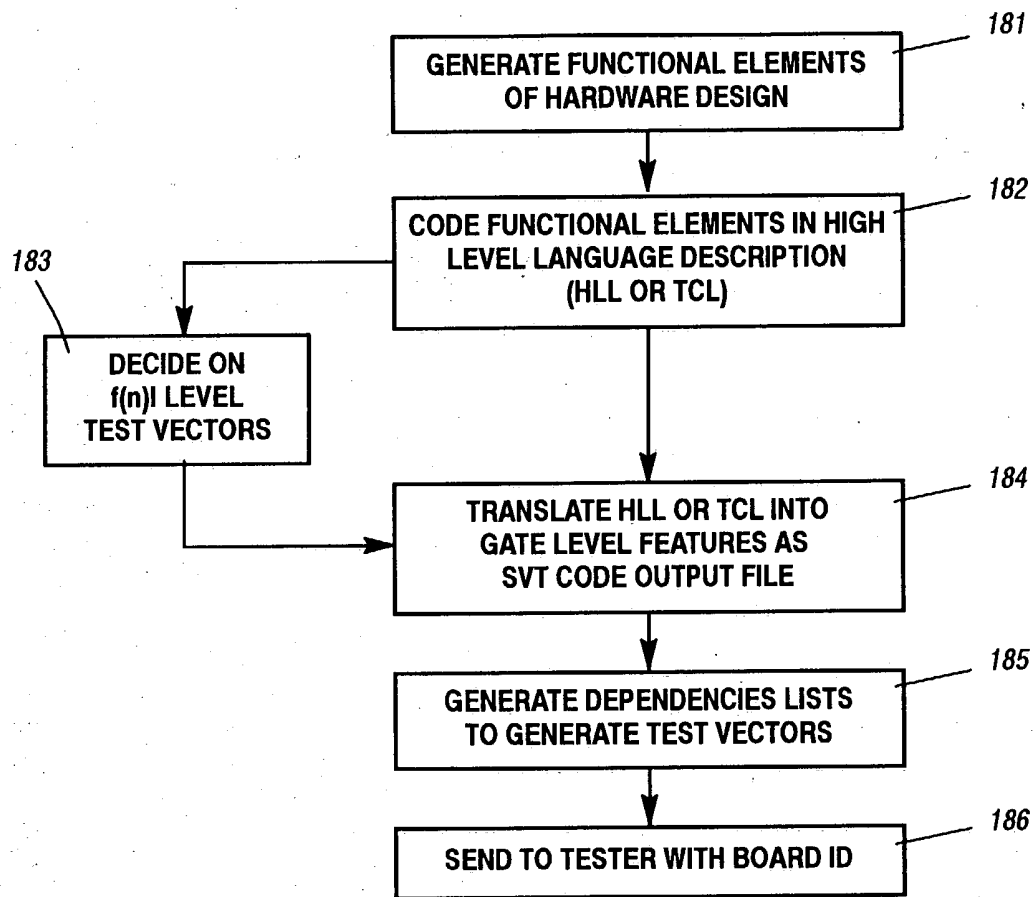


Figure 11